

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-NQO1



Numéro de catalogue: 11451-1-AP

Phare

260 Publications

## Informations de base

Numéro de catalogue:

11451-1-AP

Taille:

150ul, Concentration: 550 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG2009

Numéro d'acquisition GenBank:

BC007659

Identification du gène (NCBI):

1728

Nom complet:

NAD(P)H dehydrogenase, quinone 1

MW calculé

274 aa, 31 kDa

MW observés:

31 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:8000

IP 0.5-4.0 µg for IP and 1:150-1:600 for WB

IHC 1:50-1:500

IF 1:50-1:500

## Applications

Applications testées:

FC, IF, IHC, IP, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, souris

Espèces citées:

bovin, Chèvre, Humain, porc, poulet, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : cellules HepG2, cellules K-562, cellules LNCaP, cellules MCF-7, cellules NIH/3T3

IP : cellules HepG2,

IHC : tissu de cancer du côlon humain,

IF : cellules HepG2,

## Informations générales

NQO1, also named as DIA4, NMOR1, DTD and QR1, belongs to the NAD(P)H dehydrogenase (quinone) family. This enzyme apparently serves as a quinone reductase in connection with conjugation reactions of hydroquinones involved in detoxification pathways as well as in biosynthetic processes such as the vitamin K-dependent gamma-carboxylation of glutamate residues in prothrombin synthesis. It is known to be involved in benzene metabolism. In human studies of ozone exposure, polymorphisms in oxidative stress genes (NQO1, GSTM1, GSTP1) modify respiratory symptoms, lung function, biomarkers and risk of asthma. (PMID:18511640; 18848868) This antibody recognizes all the three isoforms (26-27 kDa and 31 kDa) of NQO1 and the homo-dimer form (66-70 kDa) of NQO1.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Xuan Wang	36167857	Nat Commun	WB
Zengxin Jiang	36238561	Front Pharmacol	WB
Taiwei Wang	36169181	Oncol Rep	WB

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

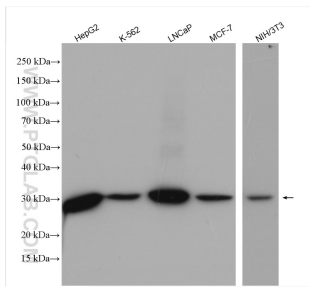
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

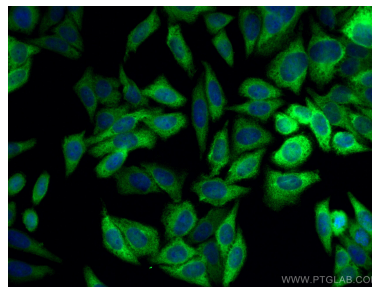
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

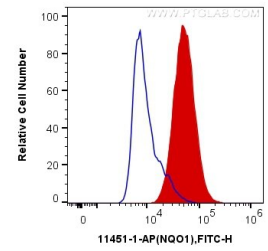
## Données de validation sélectionnées



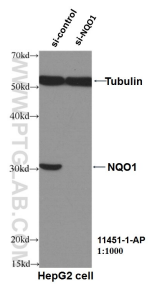
HepG2 cells were subjected to SDS PAGE followed by western blot with 11451-1-AP (NQO1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



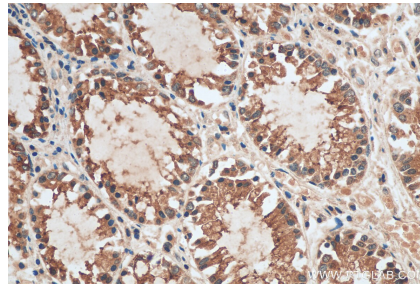
Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using NQO1 antibody (11451-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



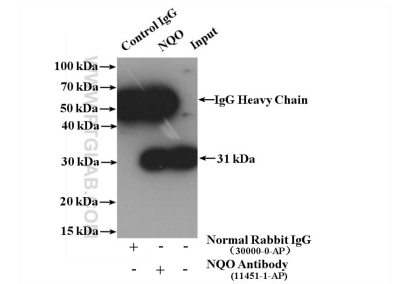
1X10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.2 ug Anti-Human NQO1 (11451-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



WB result of NQO1 antibody (11451-1-AP, 1:1000) with si-control and si-NQO1 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11451-1-AP (NQO1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-NQO1 (IP:11451-1-AP, 4ug; Detection:11451-1-AP 1:300) with HepG2 cells lysate 3000 ug.